

UTAH OIL AND GAS CONSERVATION COMMISSION

420.

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED SUB REPORT/abd

Application resubmitted 11-4-85

DATE FILED 11-21-83

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-50376

INDIAN

DRILLING APPROVED:

11-29-83 - OIL

SPUDDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION

GRAVITY API

GOR:

PRODUCING ZONES

TOTAL DEPTH

WELL ELEVATION

5233' GR

DATE ABANDONED

LA 11-4-85

FIELD:

~~WILDCAT~~~~Monument~~ Butter Treaty Boundary 3/86

UNIT:

COUNTY:

DUCHESNE

WELL NO.

BOUNDARY FEDERAL #1-20

API NO. 43-013-30870

LOCATION

660' FNL

FT. FROM (N) (S) LINE.

660' FEL

FT. FROM (E) (W) LINE

NENE

1/4 - 1/4 SEC

20

TWP

RGE

SEC

OPERATOR

TWP

RGE

SEC

OPERATOR

8S

17E

20

LOMAX EXPLORATION CO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

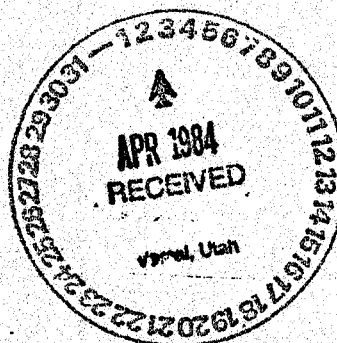
| | | | | |
|--|--|--|---|--|
| 1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> | | | 5. LEASE DESIGNATION AND SERIAL NO. U-50376 | |
| b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/> | | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 2. NAME OF OPERATOR Lomax Exploration Company | | | 7. UNIT AGREEMENT NAME | |
| 3. ADDRESS OF OPERATOR P.O. Box 4503, Houston, TX 77210 | | | 8. FARM OR LEASE NAME Boundary Federal | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FNL & 660' FEL NE/NE At proposed prod. zone | | | 9. WELL NO. 1-20 | |
| 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 11 miles South of Myton, Utah | | | 10. FIELD AND POOL OR WILDCAT Undesignated | |
| 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 934 | | | 11. SEC., T., R., E., M., OR B.L. AND SURVEY OR AREA Section 20, T8S, R17E | |
| 16. NO. OF ACRES IN LEASE 1705.6 | | | 12. COUNTY OR PARISH 13. STATE Duchesne Utah | |
| 17. NO. OF ACRES ASSIGNED TO THIS WELL 40 | | | | |
| 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1868 | | | 20. ROTARY OR CABLE TOOLS Rotary | |
| 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5233' GR | | | 22. APPROX. DATE WORK WILL START* February, 1984 | |

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12 1/4 | 8 5/8 | 24 | 300 | To Surface |
| 7 7/8 | 5 1/2 | 17 | TD | As Required |

RECEIVED

OCT 31 1984

DIVISION OF OIL
GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout-preventer program, if any.

24. SIGNED G.L. Pruitt TITLE V.P. Drilling & Production DATE 11/16/83
(This space for Federal or State office use)

PERMIT NO. Don Alford APPROVAL DATE 10-29-84
APPROVED BY Assoc. DISTRICT MANAGER TITLE DATE
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

File 450 - Br of Fluids SLL 4-922
HT-000-4-11-016
Div OG&M

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Lomax Exploration Co. Well No. 1-20
Location Sec. 20 T 8S R 17E Lease No. U-50376
Onsite Inspection Date 03/27/84

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A. DRILLING PROGRAM

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

1. Pressure Control Equipment

Double Ram Hydraulic BOP's will be pressure tested to a minimum of 2,100 PSI. Hydril Bag type BOP will be pressure tested to a minimum of 1,500 PSI.

BOP and choke manifold systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

2. Casing Program and Auxiliary Equipment

Top of the cement for the long string will be at least to the top of the Green River formation.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

3. Mud Program and Circulating Medium

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

4. Coring, Logging and Testing Program

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

5. Anticipated Starting Dates and Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

B. THIRTEEN POINT SURFACE USE PLAN

1. Location of Tank Batteries and Production Facilities

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain $1\frac{1}{2}$ times the storage capacity of the battery.

Tank batteries will be placed on the north end of the location.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

2. Source of Construction Material:

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Construction material will be located on lease.

3. Methods of Handling Waste Disposal

The reserve pit will be lined with plastic.

Burning will not be allowed. All trash must be contained and disposed of by a trash cage and hauled to an approved sanitary landfill.

Produced waste water will be confined to a lined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

4. Ancillary Facilities:

Camp facilities will not be required.

5. Well Site Layout

The stockpiled topsoil will be stored on the south end of the location.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

6. Plans for Restoration of Surface

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

Move location 75' northwest to better balance cut and fill.

7. Other Information

A private surface landowner agreement will be submitted to the Vernal District office prior to any construction.

There will be no deviation from the proposed drilling and/or work-over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance will be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

APPLICATION TO APPROPRIATE WATER STATE OF UTAH

47-1675

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (1-4) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation ☒ Domestic ☐ Stockwatering ☒ Municipal ☐ Power ☐ Mining ☐ Other Uses ☒

2. The name of the applicant is Joe Shields

3. The Post Office address of the applicant is Myton, Utah 84052

4. The quantity of water to be appropriated .015 second-feet and/or _____ acre-feet

5. The water is to be used for Stockwatering & Other from Jan. 1 to Dec. 31
(Major Purpose) (Month) (Day) (Month) (Day)

other use period Irrigation from Apr. 1 to Oct. 31
(Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from _____ to _____
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is _____
(Leave Blank)

7. The direct source of supply is* Drain
(Name of stream or other source)

which is tributary to _____, tributary to _____

*Note:—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Duchesne County, situated at a point*
West 400 ft. South 200 ft. from E $\frac{1}{4}$ Cor. Sec. 15, T4S, R2W, USB&M
(3 $\frac{1}{2}$ Miles SW of Myton)

Myton Road

*Note:—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of a collection Ditch to place of use

10. If water is to be stored, give capacity of reservoir in acre-feet _____ height of dam _____
area inundated in acres _____ legal subdivision of area inundated _____

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:
NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15, T4S, R2W, USB&M

Total .015 Acres

12. Is the land owned by the applicant? Yes ☒ No _____ If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes _____ No ☒
If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity.

15. If application is for mining, the water will be used in _____ Mining District at
the _____ mine, where the following ores are mined _____

16. If application is for stockwatering purposes, number and kind of stock watered 320 Cattle
in NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 15, T4S, R2W, USB&M

17. If application is for domestic purposes, number of persons _____, or families _____

18. If application is for municipal purposes, name of municipality _____

19. If application is for other uses, include general description of proposed uses Oil Field

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. used in Myton Oil field in Pleasant Valley

21. The use of water as set forth in this application will consume .015 second-feet and/or acre-feet of water and None second feet and/or acre feet will be returned to the natural stream or source at a point described as follows: _____

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

[Lined area for explanatory text]

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

Joe Phillips
Signature of Applicant

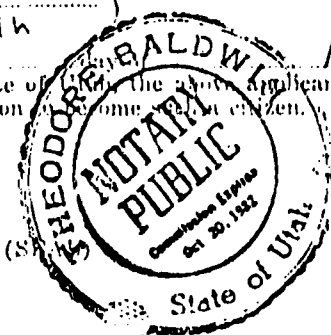
*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, Vintah } ss
County of 10 4h

On the 10 4h day of May, 1982, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become a citizen.

My commission expires:



Theodore Baldwin
Notary Public

FEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

Flow rate — c.f.s.

| | |
|------------------|---------------|
| 0.0 to 0.1 | Cost \$ 15.00 |
| over 0.1 to 0.5 | 30.00 |
| over 0.5 to 1.0 | 45.00 |
| over 1.0 to 15.0 | 45.00 |
| over 15.0 | 150.00 |

plus \$7.50 for each cfs above the first cubic foot per second.

Storage — acre-feet

| | |
|------------------|--------|
| 0 to 20 | 22.50 |
| over 20 to 500 | 45.00 |
| over 500 to 7500 | 45.00 |
| over 7500 | 150.00 |

plus \$7.50 for each 500 a.f. above the first 500 acre feet.

(This section is not to be filled in by applicant)

STATE ENGINEER'S ENDORSEMENTS

1. May 10, 1982 Application received by mail over counter in State Engineer's office by 7MB
2. Priority of Application brought down to, on account of
3. 5/14/82 Application fee, \$ 15.00, received by A.A. Rec. No. 13745
4. 5-26-82 Application microfilmed by A.N. Roll No. 987-2
5. 5/18/82 Indexed by A.A. Platted by
6. May 10, 1982 Application examined by 7MB
7. Application returned, or corrected by office
8. Corrected Application resubmitted by mail over counter to State Engineer's office.
9. May 10, 1982 Application approved for advertisement by 7MB
10. JUL 15 1982 Notice to water users prepared by Willow
11. JUL 22 1982 Publication began; was completed AUG 5 1982
Notice published in Utah Daily Courier
12. Proof slips checked by
13. Application protested by
14. 8/20/82 Publisher paid by M.E.V. No. 031023
15. Hearing held by
16. Field examination by
17. 9-10-82 Application designated for Approval rejection WW S.G.
18. 9/24/82 Application copied or photostated by S.L.F. proofread by
19. 9/24/82 Application approved rejected
20. Conditions:
 - a. This Application is approved, subject to prior rights, as follows:
 - b. Actual construction work shall be diligently prosecuted to completion.
 - c. Proof of Appropriation shall be submitted to the State Engineer's office by 6/30/86

For Dee C. Hansen, P.E., State Engineer

21. Time for making Proof of Appropriation extended to
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No. issued

Application No. 57707

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Lomax Exploration Company

3. ADDRESS OF OPERATOR

P.O. Box 4503, Houston, TX 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

660' FNL & 660' FEL

NE/NE

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

11 miles South of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

934

16. NO. OF ACRES IN LEASE

1705.6

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1868

19. PROPOSED DEPTH

7000

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

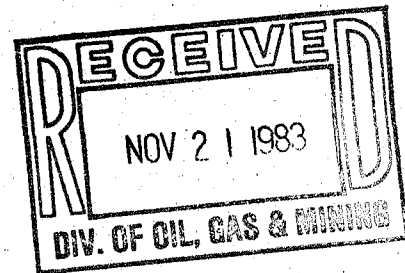
5233' GR

22. APPROX. DATE WORK WILL START*

February, 1984

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 12 1/4 | 8 5/8 | 24 | 300 | To Surface |
| 7 7/8 | 5 1/2 | 17 | TD | As Required |



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout - preventer program, if any.

24.

SIGNED

G.L. Pruitt

TITLE V.P. Drilling & Production

DATE

11/16/83

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

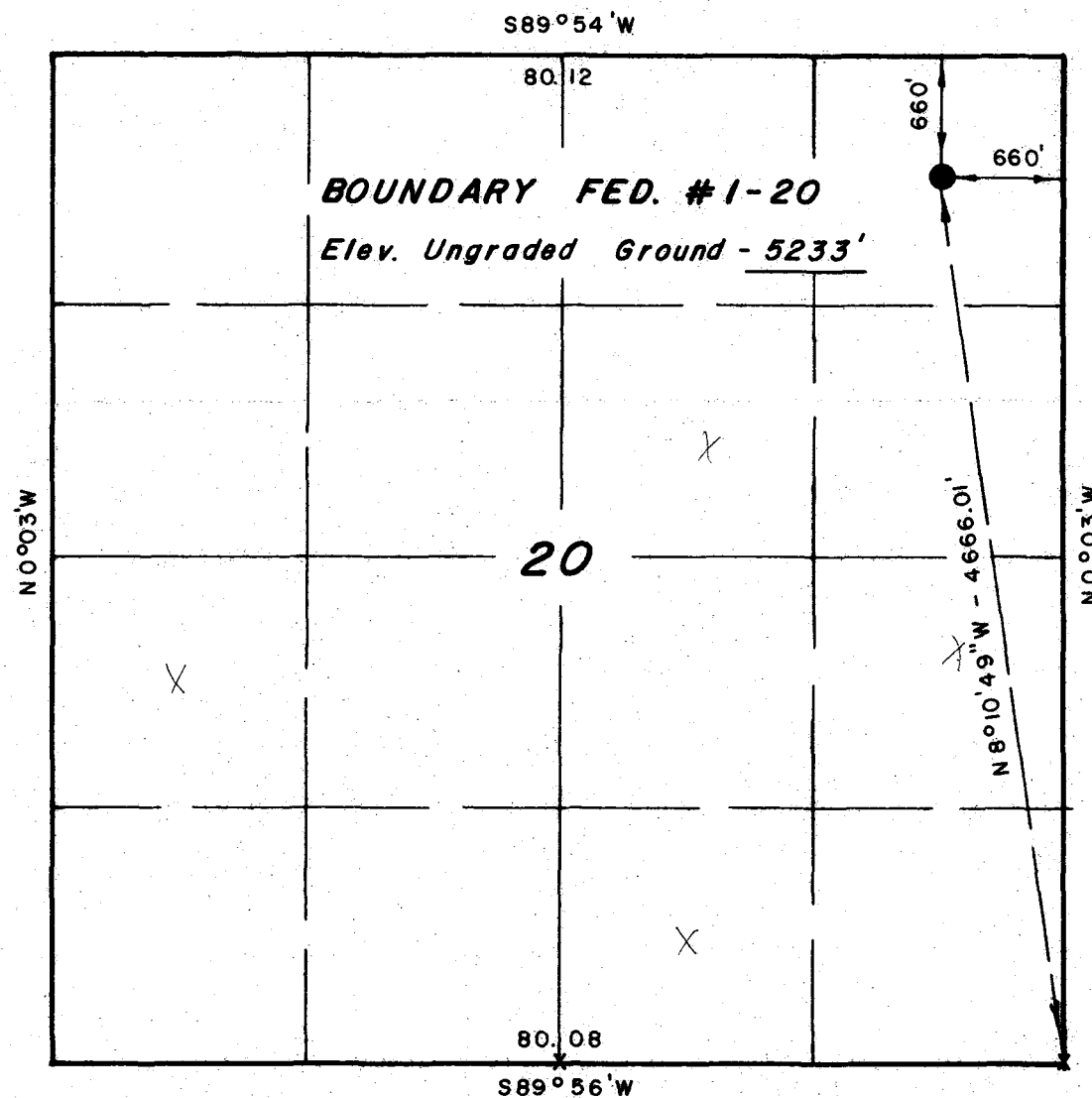
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

T 8 S , R 17 E , S.L.B.&M.

PROJECT
LOMAX EXPLORATION CO.

Well location, **BOUNDARY FED. #1-20**, located as shown in the NE 1/4 NE 1/4 Section 20, T 8 S, R 17 E, S.L.B.&M. Duchesne County, Utah.



X = Section Corners Located



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

| | | | |
|---------|----------------|------------|----------|
| SCALE | 1" = 1000' | DATE | 10/26/83 |
| PARTY | D.B. B.K. S.B. | REFERENCES | GLO Plat |
| WEATHER | Cold | FILE | LOMAX |

TEN POINT WELL PROGRAM

LOMAX EXPLORATION COMPANY
Boundary Federal #1-20
NE/NE Section 20, T8S, R17E
Duchesne County, Utah

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

| | |
|-------------|----------|
| Uinta | 0 - 2714 |
| Green River | 2714 |
| Wasatch | 5744 ✓ |

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River 5155 - Oil

4. PROPOSED CASING PROGRAM:

8 5/8", J-55, 24#; set at 300'
5 1/2", J-55, 17#; set at TD
All casing will be new

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows:

A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure tests of BOP's to 1000# will be made prior to drilling surface plug and operation will be checked daily. (See exhibit A)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the "J" zone and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

It is not anticipated that abnormal pressures or temperatures will be encountered; nor that any other abnormal hazards such as H₂S gas will be encountered in this area.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence approximately February, 1984.

LOMAX EXPLORATION
13 Point Surface Use Plan
For
Well Location
Boundary Federal #1-20
Located In
Section 20, T8S, R17E, S.L.B. & M.
Duchesne County, Utah

LOMAX EXPLORATION
Boundary Federal #1-20
Section 20, T8S, R17E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach LOMAX EXPLORATION well location site Boundary Federal #1-20, located in the NE 1/4 NE 1/4 Section 20, T8S, R17E, S.L.B. & M., Duchesne County, Utah:

Proceed Westerly out of Vernal, Utah along U.S. Highway 40 - 49.0 miles to the Junction of this Highway and Utah State Highway 53; proceed Southerly along Utah State Highway 53 - 1.6 miles to its junction with Utah State Highway 216; proceed Southerly along State Highway 216 - 5.9 miles to its junction with an existing dirt road to the East; proceed Easterly along this road 1.9 miles to its junction with an existing dirt road to the North; proceed Northerly along this road 0.4 miles to its junction with the proposed access road (to be discussed in item #2).

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to a point where Highway 216 exists to the South; thereafter the road is constructed with existing materials and gravels. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing areas they are located in, and range from clays to a sandy-clay shale material.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well will be maintained at the standards required by the B.L.M. or other controlling agencies. This maintenance will consist of some minor grader work for smoothing of road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the NE 1/4 NE 1/4 Section 20, T8S, R17E, S.L.B. & M., and proceeds in a Easterly direction approximately 350' ± to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

There will be no culverts required along this access road.

There will be no turnouts required along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattleguards required.

The lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. The grade of this road will not exceed 8%.

3. LOCATION OF EXISTING WELLS

There are four known existing wells within a one mile radius of this location site. (See Topographic Map "B").

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are four existing LOMAX EXPLORATION wells within a one mile radius of this location site.

A tank battery site will be set up at the proposed location site. This battery will be used to contain production from this well. If in the event this battery can not be improvised, a flowline will be built which will extend to an existing battery in the area.

The area will be built if possible, with native materials and if these materials are not available then the necessary arrangements will be made to get them from private sources. These facilities will be constructed using bulldozers, graders and workman crews to construct and place the proposed facilities. If there is any deviation from the above, all appropriate agencies will be notified. Rehabilitation of disturbed areas no longer needed for operation after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

At the present time, it is anticipated that the water for this well will be hauled by truck from a private water source that is indicated on Topo. Map "A".

In the event that this source is not used an alternate source will be used and all necessary arrangements will be made with the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material accumulated during construction of the location site and access road. No pit lining materials from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHOD OF HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will vary in size and depth according to the water table at the time drilling.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

A portable chemical toilet will be provided for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See attached Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type of material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, it shall be stripped

and stockpiled. (See Location Layout Sheet). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash basket shall be hauled to the nearest Sanitary Landfill.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site shall be reseeded with a seed mixture recommended by the surface owner when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area - (See Topographic Map "A").

The area is a large basin formed by the Uinta Mountains to the North and the Book Cliff Mountains to the South. The Green River is located approximately 16 miles to the South of the location site.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are common in this area.

The geologic structures of the area that are visible are of the Uintah formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger alluvial deposits from the Quaternary Period.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic livestock.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area - (See Topographic Map "B")

Boundary Federal #1-20 is located approximately 3.0 miles North of Castle Peak Draw a non-perennial drainage which runs to the North and East. The ground slopes through the location from the Southeast to the Northwest at approximately 4.8% grade.

The vegetation in the immediate area surrounding the location site consists of hay fields, sagebrush and grasses.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B".)

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Jack Pruitt
LOMAX EXPLORATION
333 North Belt East , Ste. 880
Houston, TX 77060

1-713-931-9276

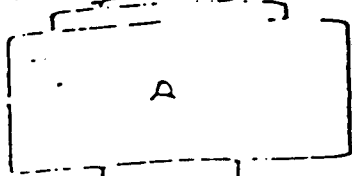
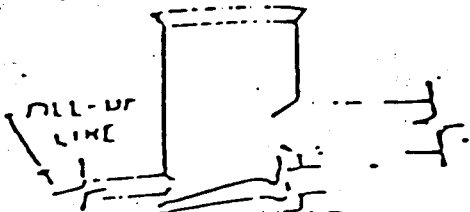
13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge true and correct; and that the work associated with the operation proposed herein will be performed by LOMAX EXPLORATION and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

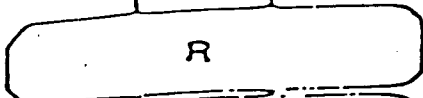
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11/17/83

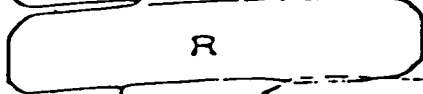
Jack Pruitt



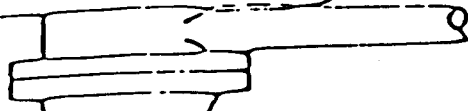
Shaffer Spherical
10" 900



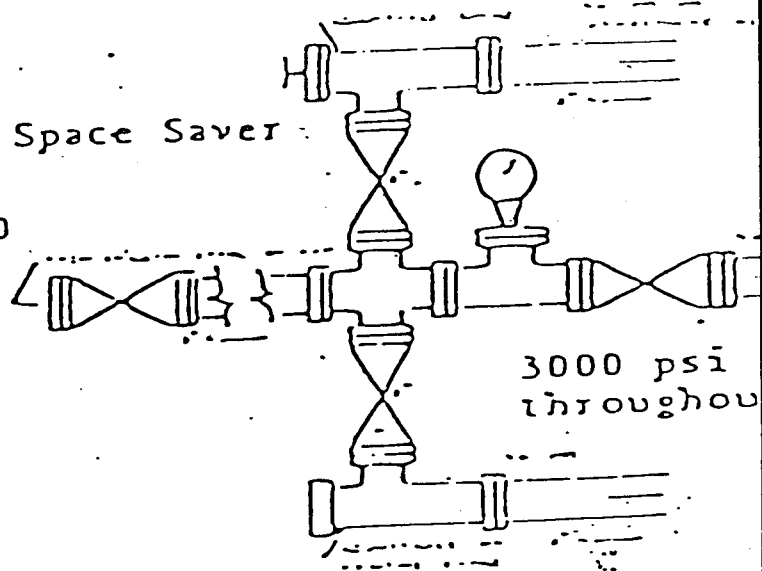
Cameron Space Saver



10" 900



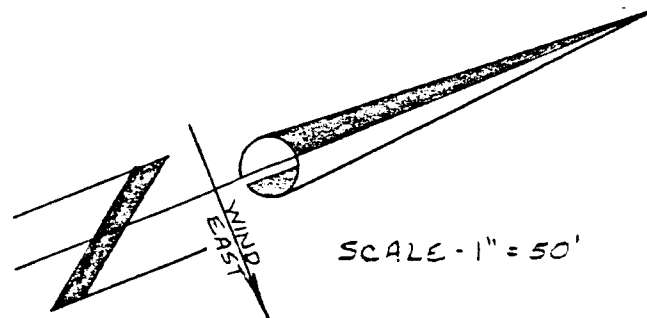
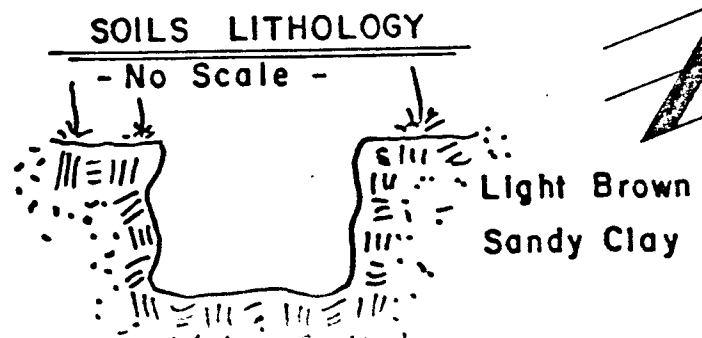
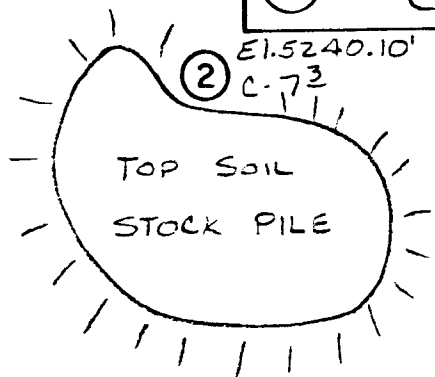
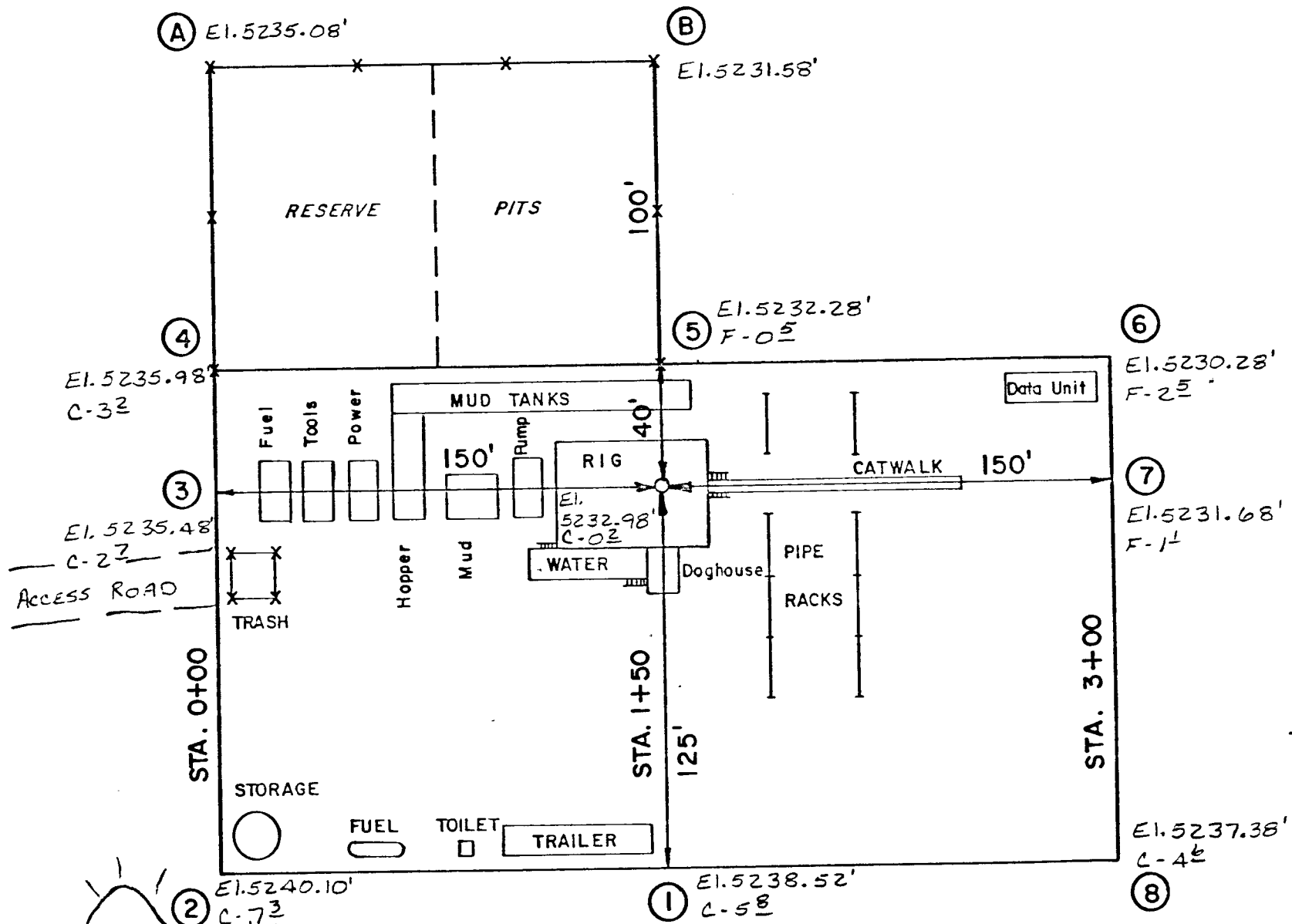
Coupling head



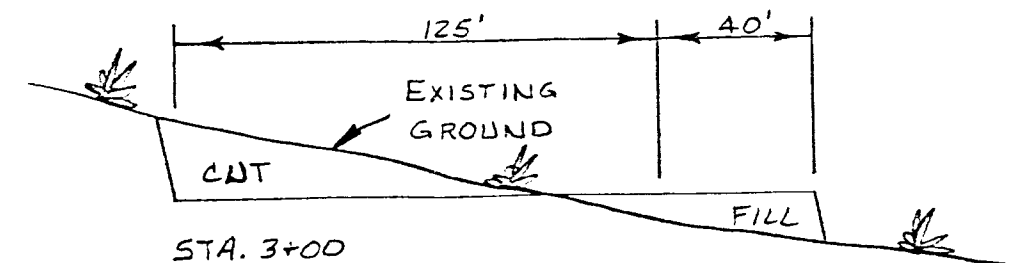
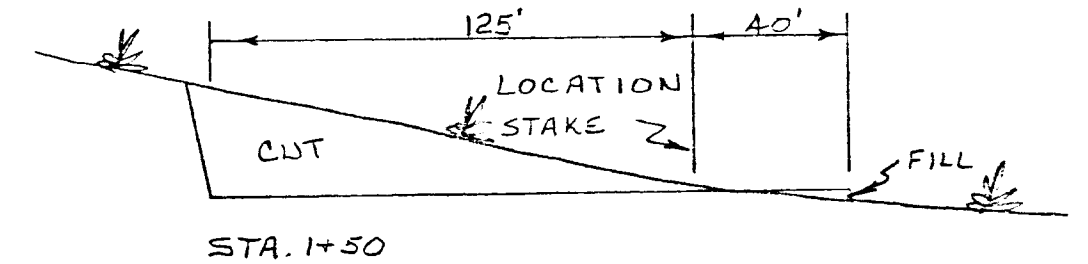
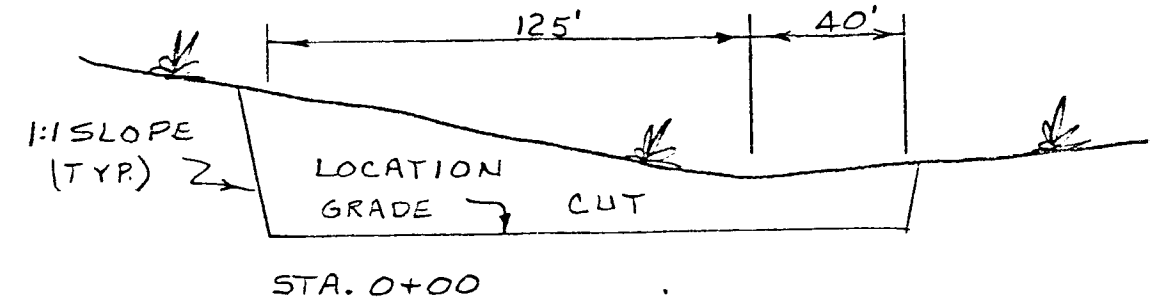
LOMAX EXPLORATION CO.

BOUNDARY FEDERAL #1-20

LOCATION LAYOUT & CUT SHEET



C
R
O
S
S
S
E
C
T
I
O
N
S



1" = 10'

Scales

1" = 50'

APPROXIMATE YARDAGES

Cubic Yards Cut - 5,410

Cubic Yards Fill - 312

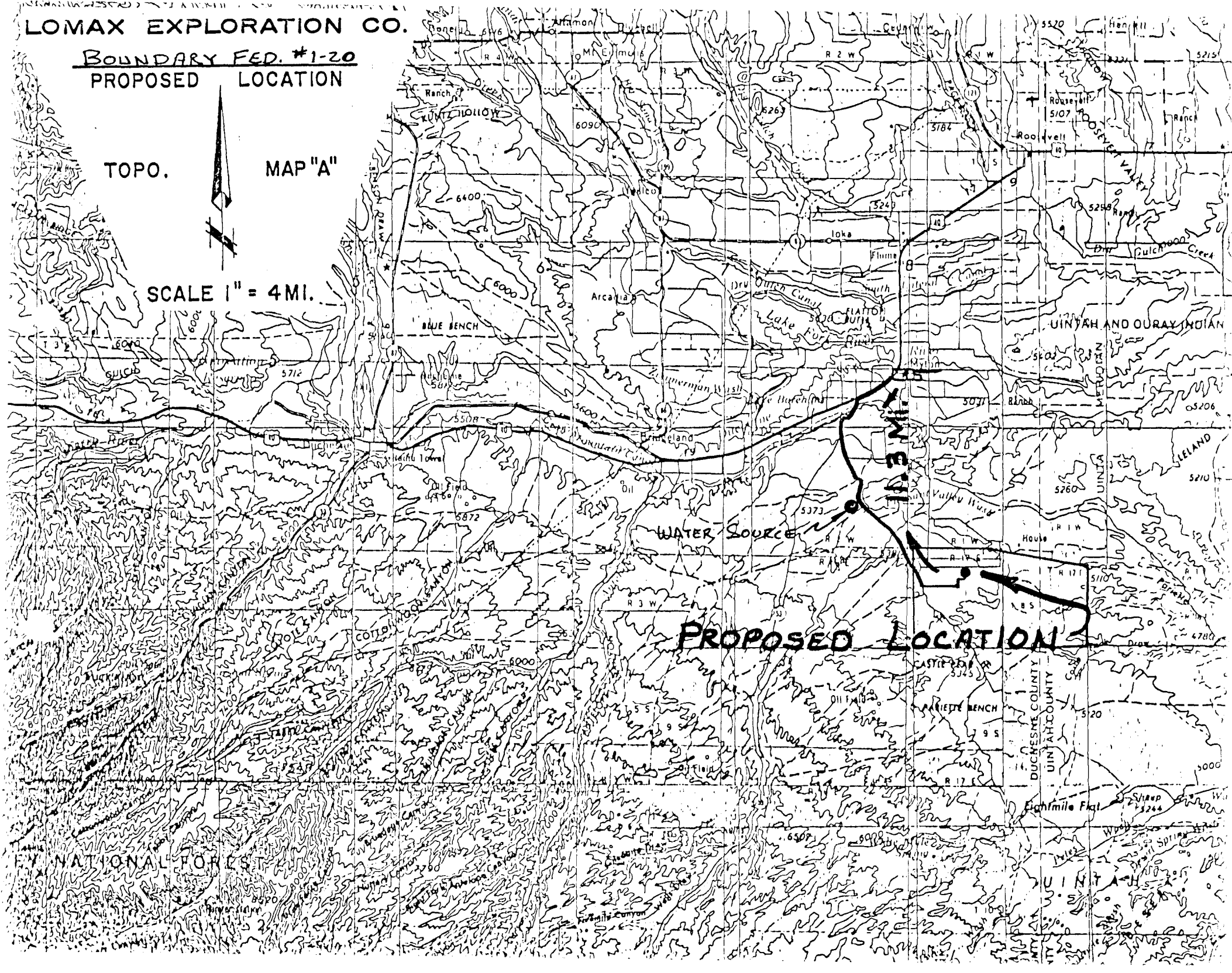
LOMAX EXPLORATION CO.

BOUNDARY FED. #1-20
PROPOSED LOCATION

TOPO.

MAP "A"

SCALE 1" = 4 MI.



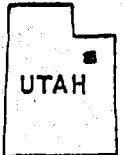
TOPO.

MAP "B"

SCALE 1" = 2000'

RQAD CLASSIFICATION

Light duty road, all weather, Improved surface
Unimproved road fair or dry weather



QUADRANGLE LOCATION

U.S. Hwy 40 7.5 MILES

MYTON, UT. 9.0 MILES

PROPOSED LOCATION
BOUNDARY FEDERAL #1-20

1.9 MILES

RR
16
17
E

PROPOSED ACCESS ROAD 550' ±

TBS
TAS

OPERATOR Loman DATE 11/28/83
WELL NAME Boundary Federal #1-20
SEC NENE 20 T 8S R 17E COUNTY Duchesne

43-013-30870
API NUMBER

Federal
TYPE OF LEASE

POSTING CHECK OFF:

☐

INDEX

☐

MAP

☐

HL

☐

NLD

☐☐

PI

PROCESSING COMMENTS:

NO OIL WELLS WITHIN 1000'
WATER # 47-1675

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 11-29-83

BY: [Signature]

CHIEF PETROLEUM ENGINEER REVIEW:

11/30/83

APPROVAL LETTER:

SPACING:

☐

A-3

UNIT

☐

c-3-a

CAUSE NO. & DATE

☒

c-3-b

☐

c-3-c

SPECIAL LANGUAGE:

- ☒ RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
- ☒ AUTHENTICATE LEASE AND OPERATOR INFORMATION
- ☒ VERIFY ADEQUATE AND PROPER BONDING
- ☒ AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
- ☒ APPLY SPACING CONSIDERATION
- ☐ ORDER _____
- ☐ UNIT _____
- ☒ c-3-b
- ☐ c-3-c
- ☒ CHECK DISTANCE TO NEAREST WELL.
- ☒ CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.
- ☒ IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER
- ☒ IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.
- ☒ VERIFY LEGAL AND SUFFICIENT DRILLING WATER

November 30, 1983

Lomax Exploration Company
P. O. Box 4503
Houston, Texas 77210

RE: Well No. Boundary Federal 1-20
NENE Sec. 20, T. 8S, R. 17E
660' FNL, 660' FEL
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-013-30870.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: Branch of Fluid Minerals
Bureau of Indian Affairs
Encl.

**Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84401**

3162.36
U-820
U-50376

November 4, 1985

Lomax Exploration Company
50 West Broadway #1200
Salt Lake City, UT 84101

RE: Rescind Application for Permit to Drill
Well No. 1-20
Section 20, T8S, R17E
Duchesne County, Utah
Lease No. U-50376

The Application for Permit to Drill the referenced well was approved on October 30, 1984. Since that date, no known activity has transpired at the approved location. Under current District policy, Applications for Permit to Drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Craig M. Hansen
ADM for Minerals

mh

bcc: State Div. O G & M
well file
U-922/943



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 21, 1985

Lomax Exploration Company
50 West Broadway #1200
Salt Lake City, Utah 84101

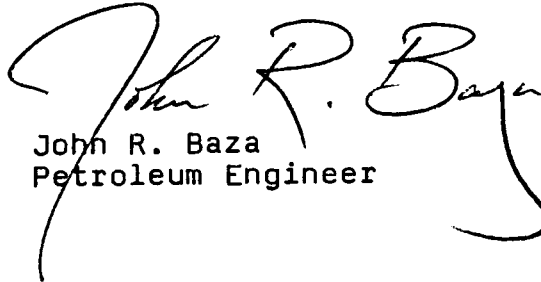
Gentlemen:

Re: Well No. Boundry Federal 1-20 - Sec. 20, T. 8S., R. 17E.,
Duchesne County, Utah - API #43-013-30870

In concert with action taken by the Bureau of Land Management, November 4, 1985, approval to drill the above referenced well is hereby rescinded.

A new "Application for Permit to Drill" must be filed with this office, for approval, prior to future drilling of the subject location.

Sincerely,



John R. Baza
Petroleum Engineer

pk

cc: Dianne R. Nielson
Ronald J. Firth
File

170S/46